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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:54:50 ; Search time 105.5 Seconds

(without alignments)

36.396 Million cell updates/sec

Title: US-09-867-159A-3

Perfect score: 61

Sequence: 1 RMQGGCGSCN 10

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 204365

Minimum DB seq length: 0

Maximum DB seq length: 10

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/2/pubpaa/US11A\_PUBCOMB.pep.\*  
20: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*  
21: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
22: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	61	100.0	10	10	US-09-867-159A-3
2	36	59.0	7	15	US-10-175-833-59
3	36	59.0	7	15	US-10-175-833-60
4	36	59.0	7	15	US-10-175-833-62
5	36	59.0	9	9	US-09-287-849-43
6	36	59.0	9	14	US-10-359-460-43
7	36	59.0	9	15	US-10-359-459-7
8	33	54.1	8	14	US-10-163-415-2
9	31.5	51.6	8	17	US-10-702-228A-62
10	31.5	51.6	8	17	US-10-678-961B-62
11	30	49.2	6	9	US-09-287-849-42

12	30	49.2	6	14	US-10-359-460-42	Sequence 42, Appl
13	30	49.2	6	15	US-10-359-459-6	Sequence 6, Appl
14	30	49.2	10	9	US-09-765-086-57	Sequence 57, Appl
15	30	49.2	10	9	US-09-779-308-222	Sequence 222, App
16	30	49.2	10	9	US-09-779-308-324	Sequence 324, App
17	30	49.2	10	9	US-09-779-308-436	Sequence 436, App
18	30	49.2	10	9	US-09-779-308-546	Sequence 546, App
19	30	49.2	10	9	US-09-779-308-640	Sequence 640, App
20	30	49.2	10	14	US-10-264-374-57	Sequence 57, Appl
21	30	49.2	10	14	US-10-375-992-57	Sequence 57, Appl
22	30	49.2	10	15	US-10-264-374-57	Sequence 57, Appl
23	30	49.2	10	16	US-10-375-992-57	Sequence 57, Appl
24	30	49.2	10	17	US-10-838-289-593	Sequence 593, App
25	29	47.5	8	13	US-10-010-408-4	Sequence 4, Appl
26	29	47.5	8	15	US-10-149-138-2467	Sequence 2467, Ap
27	29	47.5	8	15	US-10-149-138-3195	Sequence 3195, Ap
28	29	47.5	8	15	US-10-311-129-26	Sequence 26, Appl
29	29	47.5	8	16	US-10-149-138-2467	Sequence 2467, Ap
30	29	47.5	8	16	US-10-149-138-3195	Sequence 3195, Ap
31	29	47.5	9	15	US-10-149-138-855	Sequence 855, App
32	29	47.5	9	15	US-10-149-138-2495	Sequence 2495, Ap
33	29	47.5	9	15	US-10-149-138-3217	Sequence 3217, Ap
34	29	47.5	9	15	US-10-149-138-4122	Sequence 4122, Ap
35	29	47.5	9	16	US-10-149-138-855	Sequence 855, App
36	29	47.5	9	16	US-10-149-138-2495	Sequence 2495, Ap
37	29	47.5	9	16	US-10-149-138-3217	Sequence 3217, Ap
38	29	47.5	9	16	US-10-149-138-4122	Sequence 4122, Ap
39	29	47.5	10	9	US-09-765-086-52	Sequence 52, Appl
40	29	47.5	10	10	US-09-572-404B-2757	Sequence 2757, Ap
41	29	47.5	10	10	US-09-572-404B-2759	Sequence 2759, Ap
42	29	47.5	10	10	US-09-572-404B-2761	Sequence 2761, Ap
43	29	47.5	10	10	US-09-572-404B-3780	Sequence 3780, Ap
44	29	47.5	10	14	US-10-264-374-52	Sequence 52, Appl
45	29	47.5	10	14	US-10-375-992-52	Sequence 52, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-867-159A-3  
; Sequence 3, Application US/09867159A  
; Publication No. US20030104013A1  
; GENERAL INFORMATION:  
; APPLICANT: ANTIALIS  
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one  
; FILE OF INVENTION: and at least one anti-histamine compound  
; FILE REFERENCE: B112812US-antiallis  
; CURRENT APPLICATION NUMBER: US/09/867,159A  
; CURRENT FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: FR01/04370  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: FR01/05929  
; PRIOR FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 3  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Dermatophagoides pteronyssinus  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(10)  
; OTHER INFORMATION: Comprises epitope from cystine protease.  
US-09-867-159A-3

Query Match 100.0%; Score 61; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.036;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RMQGGCGSCN 10

Db 1 RMQGGCGSCN 10

TERRASSE, GAETAN LORIA, EMILE  
TREHIN, YVES

```
RESULT 2
US-10-175-833-59
; Sequence 59, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Trig.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-59

Query Match          59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
      |||||
Db      1 GCGGSC 6

RESULT 3
US-10-175-833-60
; Sequence 60, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-60

Query Match          59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
      |||||
Db      1 GCGGSC 6

RESULT 4
US-10-175-833-62
; Sequence 62, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-62

Query Match          59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
      |||||
Db      1 GCGGSC 6

RESULT 5
US-09-287-849-43
; Sequence 43, Application US/09287849
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; Patent No. US20020009459A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009020US
; CURRENT APPLICATION NUMBER: US/09/287,849
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-287-849-43

Query Match          59.0%; Score 36; DB 9; Length 9;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
Db      3 GCGGCG 8

RESULT 6
US-10-359-460-43
; Sequence 43, Application US/10359460
; Publication No. US20030147911A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009020US
; CURRENT APPLICATION NUMBER: US/10/359,460
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/287,849
; PRIOR FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-287-849-43

Query Match          59.0%; Score 36; DB 9; Length 9;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
Db      3 GCGGCG 8

RESULT 6
US-10-359-460-43
; Sequence 43, Application US/10359460
; Publication No. US20030147911A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009020US
; CURRENT APPLICATION NUMBER: US/10/359,460
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/287,849
; PRIOR FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-287-849-43
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; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-10-359-460-43

Query Match          59.0%; Score 36; DB 14; Length 9;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
Db      3 GCGGCG 8

RESULT 7
US-10-359-459-7
; Sequence 7, Application US/10359459
; Publication No. US20040013677A1
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009010US
; CURRENT APPLICATION NUMBER: US/10/359,459
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-10-359-459-7

Query Match          59.0%; Score 36; DB 15; Length 9;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGSC 9
Db      3 GCGGCG 8

RESULT 8
US-10-163-415-2
; Sequence 2, Application US/10163415
; Publication No. US20030129204A1
; GENERAL INFORMATION:
; APPLICANT: KNOX, DAVID PATRICK
; APPLICANT: SMITH, STUART KEVIN
; APPLICANT: SMITH, WILLIAM DAVID
; APPLICANT: REDMOND, DIANE
; APPLICANT: MURRAY, JACQUELINE
; TITLE OF INVENTION: VACCINES AGAINST HELMINTHIC PARASITES
; FILE REFERENCE: 1181-264
; CURRENT APPLICATION NUMBER: US/10/163,415
; CURRENT FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 08/716418
; PRIOR FILING DATE: 1996-09-20
; PRIOR APPLICATION NUMBER: PCT/GB95/00665
; PRIOR FILING DATE: 1995-03-24
; PRIOR APPLICATION NUMBER: GB 9405925.0
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; PRIOR FILING DATE: 1994-03-25  
; PRIOR APPLICATION NUMBER: GB 9405990.4  
; PRIOR FILING DATE: 1994-03-25  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (6)..(6)  
; OTHER INFORMATION: The 'Xaa' at location 6 stands for Ser.  
; FEATURE:  
; OTHER INFORMATION: PCR primer: 508G  
US-10-163-415-2

Query Match 54.1%; Score 33; DB 14; Length 8;  
Best Local Similarity 71.4%; Pred. No. 1.6e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGCSC 9  
||| |||  
Db 1 QGCGCXC 7

RESULT 9  
US-10-702-228A-62  
; Sequence 62, Application US/10702228A  
; Publication No. US20050074785A1  
; GENERAL INFORMATION:  
; APPLICANT: Slater, Michael R.  
; APPLICANT: Wood, Keith V.  
; APPLICANT: Hartnett, James Robert  
; APPLICANT: Promega Corporation  
; TITLE OF INVENTION: Vectors for Directional Cloning  
; FILE REFERENCE: 341.030US1  
; CURRENT APPLICATION NUMBER: US/10/702,228A  
; PRIOR FILING DATE: 2003-11-05  
; PRIOR APPLICATION NUMBER: 10/678,961  
; PRIOR FILING DATE: 2003-10-03  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 62  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: A synthetic peptide  
US-10-702-228A-62

Query Match 51.6%; Score 31.5; DB 17; Length 8;  
Best Local Similarity 85.7%; Pred. No. 1.6e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 4 GCGGCSCN 10  
||| |||  
Db 2 GCGC-CN 7

RESULT 10  
US-10-678-961B-62  
; Sequence 62, Application US/10678961B  
; Publication No. US20050074883A1  
; GENERAL INFORMATION:  
; APPLICANT: Slater, Michael R.  
; APPLICANT: Strauss, Ethan Edward  
; APPLICANT: Wood, Keith V.  
; APPLICANT: Hartnett, James Robert  
; APPLICANT: Promega Corporation  
; TITLE OF INVENTION: Vectors for Directional Cloning  
; FILE REFERENCE: 341.023US1  
; CURRENT APPLICATION NUMBER: US/10/678,961B

; CURRENT FILING DATE: 2003-10-03  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 62  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: A synthetic peptide  
US-10-678-961B-62

Query Match 51.6%; Score 31.5; DB 17; Length 8;  
Best Local Similarity 85.7%; Pred. No. 1.6e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 4 GCGGCSCN 10  
||| |||  
Db 2 GCGC-CN 7

RESULT 11  
US-09-287-849-42  
; Sequence 42, Application US/09287849  
; Patent No. US20020009459A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Alderson, Mark  
; APPLICANT: Campos-Neto, Antonio  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
; TITLE OF INVENTION: and Their Uses  
; FILE REFERENCE: 014058-009020US  
; CURRENT APPLICATION NUMBER: US/09/287,849  
; CURRENT FILING DATE: 1999-04-07  
; PRIOR APPLICATION NUMBER: US 08/818,112  
; PRIOR FILING DATE: 1997-03-13  
; PRIOR APPLICATION NUMBER: US 08/942,578  
; PRIOR FILING DATE: 1997-10-01  
; PRIOR APPLICATION NUMBER: US 09/025,197  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 09/056,556  
; PRIOR FILING DATE: 1998-04-07  
; PRIOR APPLICATION NUMBER: US 09/223,040  
; PRIOR FILING DATE: 1998-12-30  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 42  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: flexible  
; OTHER INFORMATION: polylinker  
US-09-287-849-42

Query Match 49.2%; Score 30; DB 9; Length 6;  
Best Local Similarity 80.0%; Pred. No. 1.6e+06;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCGSC 9  
||| |||  
Db 1 GCGC 5

RESULT 12  
US-10-359-460-42  
; Sequence 42, Application US/10359460  
; Publication No. US20030147911A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Dillon, Davin C.  
APPLICANT: Alderson, Mark  
APPLICANT: Campos-Neto, Antonio  
APPLICANT: Corixa Corporation  
TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
FILE REFERENCE: 014058-009020US  
CURRENT APPLICATION NUMBER: US/10/359,460  
CURRENT FILING DATE: 2003-02-05  
PRIOR APPLICATION NUMBER: US/09/287,849  
PRIOR FILING DATE: 1999-04-07  
PRIOR APPLICATION NUMBER: US 08/818,112  
PRIOR FILING DATE: 1997-03-13  
PRIOR APPLICATION NUMBER: US 08/942,578  
PRIOR FILING DATE: 1997-10-01  
PRIOR APPLICATION NUMBER: US 09/025,197  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 09/056,556  
PRIOR FILING DATE: 1998-04-07  
PRIOR APPLICATION NUMBER: US 09/223,040  
PRIOR FILING DATE: 1998-12-30  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 42  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:flexible  
US-10-359-460-42

Query Match 49.2%; Score 30; DB 14; Length 6;  
Best Local Similarity 80.0%; Pred. No. 1.6e+06;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 5 GCGSC 9  
Db 1 GCGGC 5

RESULT 13  
US-10-359-459-6  
Sequence 6, Application US/10359459  
Publication No. US20040013677A1  
GENERAL INFORMATION:  
APPLICANT: Skeiky, Yasir  
APPLICANT: Alderson, Mark  
APPLICANT: Campos-Neto, Antonio  
APPLICANT: Corixa Corporation  
TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
FILE REFERENCE: 014058-009010US  
CURRENT APPLICATION NUMBER: US/10/359,459  
CURRENT FILING DATE: 2003-02-05  
PRIOR APPLICATION NUMBER: US/09/223,040  
PRIOR FILING DATE: 1998-12-30  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 6  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:flexible  
US-10-359-459-6

Query Match 49.2%; Score 30; DB 15; Length 6;  
Best Local Similarity 80.0%; Pred. No. 1.6e+06;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 5 GCGSC 9

Db 1 GCGGC 5  
RESULT 14  
US-09-765-086-57  
Sequence 57, Application US/09765086  
Patent No. US20010046498A1  
GENERAL INFORMATION:  
APPLICANT: Ruoslahti, Erkki  
APPLICANT: Pasqualini, Renata  
APPLICANT: Wadib, Arap  
APPLICANT: Bredesen, Dale E.  
APPLICANT: Ellerby, H. Michael  
TITLE OF INVENTION: Chimeric Prostate-Homing Peptides With  
FILE REFERENCE: P-LJ 3844  
CURRENT APPLICATION NUMBER: US/09/765,086  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: US 09/489,582  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 235  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 57  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: synthetic peptide  
US-09-765-086-57

Query Match 49.2%; Score 30; DB 9; Length 10;  
Best Local Similarity 80.0%; Pred. No. 8.5e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 6 GCGSC 10  
Db 1 CGECN 5

RESULT 15  
US-09-779-308-222  
Sequence 222, Application US/09779308  
Patent No. US20020150972A1  
GENERAL INFORMATION:  
APPLICANT: Mary Faris  
APPLICANT: Daniel E.H. Afar  
APPLICANT: Pia M. Challita-Bid  
APPLICANT: Rene S. Hubert  
APPLICANT: Elana Levin  
APPLICANT: Steve Chappell Mitchell  
APPLICANT: Ava Jakobovits  
TITLE OF INVENTION: 34P3D7: A TISSUE SPECIFIC PROTEIN  
FILE REFERENCE: 129.4USU1  
CURRENT APPLICATION NUMBER: US/09/779,308  
CURRENT FILING DATE: 2001-02-08  
PRIOR APPLICATION NUMBER: 60/181,020  
PRIOR FILING DATE: 2000-02-08  
NUMBER OF SEQ ID NOS: 718  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 222  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Homo Sapiens  
US-09-779-308-222

Query Match 49.2%; Score 30; DB 9; Length 10;  
Best Local Similarity 71.4%; Pred. No. 8.5e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 RMQGGCG 7

Db 1 RLOGGAG 7

Search completed: June 20, 2005, 08:14:33  
Job time : 106.5 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:44:59 ; Search time 29.5 Seconds  
(without alignments)  
25.305 Million cell updates/sec

Title: US-09-867-159A-3

Perfect score: 61

Sequence: 1 RMOGGCGSCN 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 115750

Minimum DB seq length: 0  
Maximum DB seq length: 10

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- 1: /cgn2\_6/ptodata/1/iaa/5A COMB.pep.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	59.0	7	4	US-09-144-991B-59
2	36	59.0	7	4	US-09-144-991B-60
3	36	59.0	7	4	US-09-144-991B-62
4	36	59.0	9	4	US-09-470-191-94
5	36	59.0	9	4	US-09-223-040-7
6	36	59.0	9	4	US-09-287-849-43
7	31	50.8	8	2	US-08-835-099A-3
8	31	50.8	8	3	US-09-157-349-3
9	31	50.8	8	3	US-08-779-072A-6
10	30	49.2	6	4	US-09-470-191-93
11	30	49.2	6	4	US-09-223-040-6
12	30	49.2	6	4	US-09-287-849-42
13	30	49.2	8	3	US-08-779-072A-1
14	30	49.2	10	2	US-08-361-864-36
15	30	49.2	10	2	US-08-902-367-7
16	30	49.2	10	3	US-08-535-170-9
17	30	49.2	10	3	US-09-139-802-57
18	30	49.2	10	4	US-09-659-786-57
19	30	49.2	10	4	US-08-926-914-57
20	29	47.5	9	1	US-08-482-880-8
21	29	47.5	9	2	US-08-273-274-8
22	29	47.5	9	2	US-08-475-041-8
23	29	47.5	9	2	US-08-484-773-8
24	29	47.5	10	2	US-08-335-832-8
25	29	47.5	10	3	US-09-141-127-2
26	29	47.5	10	3	US-09-139-802-52
27	29	47.5	10	4	US-09-659-786-52

28	29	47.5	10	4	US-08-926-914-52	Sequence 52, Appl
29	28	45.9	5	1	US-08-467-607-10	Sequence 10, Appl
30	28	45.9	5	2	US-08-469-362-10	Sequence 10, Appl
31	28	45.9	5	2	US-08-850-392-10	Sequence 10, Appl
32	28	45.9	6	4	US-09-982-704-9	Sequence 9, Appl
33	28	45.9	7	3	US-08-827-171B-13	Sequence 13, Appl
34	28	45.9	7	4	US-09-588-995A-111	Sequence 111, App
35	28	45.9	7	4	US-09-598-062-13	Sequence 13, Appl
36	28	45.9	8	1	US-08-526-710-28	Sequence 28, Appl
37	28	45.9	8	3	US-08-862-855-28	Sequence 28, Appl
38	28	45.9	8	3	US-09-226-985-28	Sequence 28, Appl
39	28	45.9	8	3	US-09-237-906-28	Sequence 28, Appl
40	28	45.9	8	4	US-09-228-866-28	Sequence 28, Appl
41	28	45.9	9	3	US-08-997-802-10	Sequence 10, Appl
42	28	45.9	9	3	US-08-997-802-11	Sequence 11, Appl
43	28	45.9	10	3	US-09-139-802-32	Sequence 32, Appl
44	28	45.9	10	4	US-09-659-786-32	Sequence 32, Appl
45	28	45.9	10	4	US-08-926-914-32	Sequence 32, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-144-991B-59  
; Sequence 59, Application US/09144991B  
; Patent No. 6440933  
; GENERAL INFORMATION:  
; APPLICANT: BODOR, Nicholas Stephen  
; APPLICANT: BARTOLOMEO, Maria  
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT  
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY  
; FILE REFERENCE: 028724-109  
; CURRENT APPLICATION NUMBER: US/09/144,991B  
; PRIOR FILING DATE: 1998-09-01  
; PRIOR APPLICATION NUMBER: US 60/058,423  
; PRIOR FILING DATE: 1997-09-10  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 59  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; NAME/KEY: BINDING  
; LOCATION: (1)  
; OTHER INFORMATION: Amino acid 1 is attached by Trig.  
; NAME/KEY: BINDING  
; LOCATION: (7)  
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.  
; NAME/KEY: DISULFID  
; LOCATION: (3)..(6)  
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are  
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.  
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative  
US-09-144-991B-59

Query Match 59.0%; Score 36; DB 4; Length 7;  
Best Local Similarity 83.3%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGGSC 9  
|||  
Db 1 GCGGCG 6

##### RESULT 2

US-09-144-991B-60  
; Sequence 60, Application US/09144991B  
; Patent No. 6440933  
; GENERAL INFORMATION:  
; APPLICANT: BODOR, Nicholas Stephen  
; APPLICANT: BARTOLOMEO, Maria

;; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT  
;; TITLE OF INVENTION: OF DIABETIC RETINOPATHY  
;; FILE REFERENCE: 028724-109  
;; CURRENT APPLICATION NUMBER: US/09/144,991B  
;; CURRENT FILING DATE: 1998-09-01  
;; PRIOR APPLICATION NUMBER: US 60/058,423  
;; PRIOR FILING DATE: 1997-09-10  
;; NUMBER OF SEQ ID NOS: 65  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 60  
;; LENGTH: 7  
;; TYPE: PRT  
;; ORGANISM: Unknown  
;; FEATURE:  
;; NAME/KEY: BINDING  
;; LOCATION: (1)  
;; OTHER INFORMATION: Amino acid 1 is attached by Nic.  
;; NAME/KEY: BINDING  
;; LOCATION: (7)  
;; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.  
;; NAME/KEY: DISULFIDE  
;; LOCATION: (3)..(6)  
;; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are  
;; OTHER INFORMATION: attached by a non-peptidic disulfide bond.  
;; OTHER INFORMATION: Description of Unknown Organism:peptide derivative  
US-09-144-991B-60

Query Match 59.0%; Score 36; DB 4; Length 7;  
Best Local Similarity 83.3%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9  
| | | | |  
DB 1 GCGGCG 6

RESULT 3  
US-09-144-991B-62  
;; Sequence 62, Application US/09144991B  
;; Patent No. 6440933  
;; GENERAL INFORMATION:  
;; APPLICANT: BODOR, Nicholas Stephen  
;; APPLICANT: BARTOLOMEO, Maria  
;; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT  
;; TITLE OF INVENTION: OF DIABETIC RETINOPATHY  
;; FILE REFERENCE: 028724-109  
;; CURRENT APPLICATION NUMBER: US/09/144,991B  
;; CURRENT FILING DATE: 1998-09-01  
;; PRIOR APPLICATION NUMBER: US 60/058,423  
;; PRIOR FILING DATE: 1997-09-10  
;; NUMBER OF SEQ ID NOS: 65  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 62  
;; LENGTH: 7  
;; TYPE: PRT  
;; ORGANISM: Unknown  
;; FEATURE:  
;; NAME/KEY: BINDING  
;; LOCATION: (1)  
;; OTHER INFORMATION: Amino acid 1 is attached by Nic.  
;; NAME/KEY: BINDING  
;; LOCATION: (7)  
;; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.  
;; NAME/KEY: DISULFID  
;; LOCATION: (3)..(6)  
;; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are  
;; OTHER INFORMATION: attached by a non-peptidic disulfide bond.  
;; OTHER INFORMATION: Description of Unknown Organism:peptide derivative  
US-09-144-991B-62

Query Match 59.0%; Score 36; DB 4; Length 7;  
Best Local Similarity 83.3%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9  
| | | | |  
DB 1 GCGGCG 6

RESULT 4  
US-09-470-191-94  
;; Sequence 94, Application US/09470191  
;; Patent No. 6465633  
;; GENERAL INFORMATION:  
;; APPLICANT: Skeiky, Yasir  
;; APPLICANT: Corixa Corporation  
;; TITLE OF INVENTION: Compositions and Methods of Their Use in  
;; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis  
;; FILE REFERENCE: 014058-008910US  
;; CURRENT APPLICATION NUMBER: US/09/470,191  
;; CURRENT FILING DATE: 1999-12-23  
;; PRIOR APPLICATION NUMBER: US 60/113,952  
;; PRIOR FILING DATE: 1998-12-24  
;; NUMBER OF SEQ ID NOS: 97  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO 94  
;; LENGTH: 9  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: flexible polylinker  
US-09-470-191-94

Query Match 59.0%; Score 36; DB 4; Length 9;  
Best Local Similarity 83.3%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9  
| | | | |  
DB 3 GCGGCG 8

RESULT 5  
US-09-223-040-7  
;; Sequence 7, Application US/09223040  
;; Patent No. 6544522  
;; GENERAL INFORMATION:  
;; APPLICANT: Skeiky, Yasir  
;; APPLICANT: Alderson, Mark  
;; APPLICANT: Campos-Reto, Antonio  
;; APPLICANT: Corixa Corporation  
;; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
;; TITLE OF INVENTION: and Their Uses  
;; FILE REFERENCE: 014058-009010US  
;; CURRENT APPLICATION NUMBER: US/09/223,040  
;; CURRENT FILING DATE: 1998-12-30  
;; NUMBER OF SEQ ID NOS: 10  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 7  
;; LENGTH: 9  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence:flexible  
;; OTHER INFORMATION: polylinker  
US-09-223-040-7

Query Match 59.0%; Score 36; DB 4; Length 9;  
Best Local Similarity 83.3%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9  
| | | | |  
DB 3 GCGGCG 8



```
RESULT 6
US-09-287-849-43
; Sequence 43, Application US/09287849
; Patent No. 6627198
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; FILE REFERENCE: 014058-009020US
; CURRENT APPLICATION NUMBER: US/09/287,849
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-287-849-43

Query Match          59.08; Score 36; DB 4; Length 9;
Best Local Similarity 83.3%; Pred. No. 4.le+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      4 GCGGCG 9
      |||||
Db      3 GCGGCG 8

RESULT 7
US-08-835-099A-3
; Sequence 3, Application US/08835099A
; Patent No. 5874277
; GENERAL INFORMATION:
; APPLICANT: SHINTANI, Yasushi
; APPLICANT: NISHI, Kazunori
; APPLICANT: KAWAMOTO, Tomohiro
; TITLE OF INVENTION: NOVEL PROTEINS, THEIR PRODUCTION
; TITLE OF INVENTION: AND USE
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/835,099A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/835,099
; FILING DATE:
; APPLICATION NUMBER: 97105508.2
; FILING DATE: 03-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 47342
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-835-099A-3

Query Match          50.8%; Score 31; DB 2; Length 8;
Best Local Similarity 71.4%; Pred. No. 4.le+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3 QGCGGCG 9
      |||||
Db      2 QGGLGDC 8

RESULT 8
US-09-157-349-3
; Sequence 3, Application US/09157349
; Patent No. 6068990
; GENERAL INFORMATION:
; APPLICANT: SHINTANI, Yasushi
; APPLICANT: NISHI, Kazunori
; APPLICANT: KAWAMOTO, Tomohiro
; TITLE OF INVENTION: NOVEL PROTEINS, THEIR PRODUCTION
; TITLE OF INVENTION: AND USE
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/157,349
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/835,099
; FILING DATE:
; APPLICATION NUMBER: 97105508.2
; FILING DATE: 03-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 47342
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-835-099A-3
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; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-157-349-3

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GCGGSC 9
Db 2 QGGLGDC 8

RESULT 9
US-08-779-072A-6
; Sequence 6, Application US/08779072A
; Patent No. 6180767
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Etec
; APPLICANT: Basu, Soumitra
; TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavoragna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,072A
; FILING DATE: January 7, 1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,747
; FILING DATE: January 11, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-14
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: NO. 6180767e
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-072A-6

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGGSC 9
Db 3 GGCAAC 8

RESULT 10
US-09-470-191-93
; Sequence 93, Application US/09470191
; Patent No. 6465633

; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
; FILE REFERENCE: 014058-008910US
; CURRENT APPLICATION NUMBER: US/09/470,191
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 93
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: flexible polylinker
US-09-470-191-93

Query Match
Best Local Similarity 49.2%; Score 30; DB 4; Length 6;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 5 GCGSC 9
Db 1 GCGGC 5

RESULT 11
US-09-223-040-6
; Sequence 6, Application US/09223040
; Patent No. 6544522
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009010US
; CURRENT APPLICATION NUMBER: US/09/223,040
; CURRENT FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-223-040-6

Query Match
Best Local Similarity 49.2%; Score 30; DB 4; Length 6;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 5 GCGSC 9
Db 1 GCGGC 5

RESULT 12
US-09-287-849-42
; Sequence 42, Application US/09287849
; Patent No. 6627198
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
```

```
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-0090200S
; CURRENT APPLICATION NUMBER: US/09/287,849
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: flexible
; OTHER INFORMATION: polylinker
US-09-287-849-42

Query Match          49.2%; Score 30; DB 4; Length 6;
Best Local Similarity 80.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCGSC 9
DB 1 GCGGC 5

RESULT 13
US-08-779-072A-1
; Sequence 1, Application US/08779072A
; Patent No. 6180767
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric
; APPLICANT: Basu, Soumitra
; TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,072A
; FILING DATE: January 7, 1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,747
; FILING DATE: January 11, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-14
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: No. 6180767e
; INFORMATION FOR SEQ ID NO: 1:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-072A-1

Query Match          49.2%; Score 30; DB 3; Length 8;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GCGSC 9
DB 3 GCGSC 8

RESULT 14
US-08-361-864-36
; Sequence 36, Application US/08361864
; Patent No. 5977064
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: Lister-James, John
; TITLE OF INVENTION: Multimeric Polyvalent Antithrombotic
; TITLE OF INVENTION: Agents
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361,864
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,466A
; FILING DATE: 19921002
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5977064nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,668
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1..5
; OTHER INFORMATION: /label= Cyclic
; OTHER INFORMATION: /note= "The sidechain sulfur of the 1st cysteine
; OTHER INFORMATION: is protected by an -CH2CO- group, that also forms
; OTHER INFORMATION: an amide bond with the N-terminus; the Y is the D
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6..8
; OTHER INFORMATION: /label= Tc-99m-binding
; OTHER INFORMATION: /note= "The sidechain sulfur atom of each cysteine
; OTHER INFORMATION: is protected by an acetamido group; the C-terminal
; OTHER INFORMATION: cysteine is an amide"
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US-08-361-864-36

Query Match 49.2%; Score 30; DB 2; Length 10;  
Best Local Similarity 57.1%; Pred. No. 2e+02;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGSC 9  
:|:|:  
Db 2 RGDGCGC 8

RESULT 15

US-08-902-367-7

; Sequence 7, Application US/08902367

; Patent No. 5997845

; GENERAL INFORMATION:

; APPLICANT: Dean, Richard T.

; APPLICANT: Lister-James, John

; APPLICANT: Civitello, Edgar R.

; TITLE OF INVENTION: Radiolabeled Compounds for Thrombus

; TITLE OF INVENTION: Imaging

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McDonnell Boenhen Hulbert &amp; Berghoff

; STREET: 300 South Wacker Drive Seventh Floor

; CITY: Chicago

; STATE: Illinois

; COUNTRY: USA

; ZIP: 60606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/902,367

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/462,668

; FILING DATE: 05-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: No. 5997845nan, Kevin E

; REGISTRATION NUMBER: 35,303

; REFERENCE/DOCKET NUMBER: 90,1104-W

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312 913 0001

; TELEFAX: 312 913 0002

; TELEX:

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 10 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 1..3

; OTHER INFORMATION: /label= D-Tyr

; OTHER INFORMATION: /note= "The tyrosine residue is in the D-stereo-

; OTHER INFORMATION: chemical configuration"

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 1..5

; OTHER INFORMATION: /label= Cyclic

; OTHER INFORMATION: /note= "The sidechain sulfur of the Cys

; OTHER INFORMATION: residue is covalently linked to the amino

; OTHER INFORMATION: terminus by a -CH2CO- group."

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 8..10

; OTHER INFORMATION: /label= Tc-99m-chelator

; OTHER INFORMATION: /note= "The sidechain sulfur atoms of both Cys

; OTHER INFORMATION: residues are each protected with an  
; OTHER INFORMATION: acetamidomethyl group"

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 10

; OTHER INFORMATION: /label= Amide

; OTHER INFORMATION: /note= "The carboxyl terminus is modified to an

; OTHER INFORMATION: amide"

; US-08-902-367-7

Query Match 49.2%; Score 30; DB 2; Length 10;

Best Local Similarity 57.1%; Pred. No. 2e+02;

Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGSC 9

:|:|:  
Db 2 RGDGCGC 8

Search completed: June 20, 2005, 07:58:25

Job time : 30.5 secs

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: June 20, 2005, 07:54:50 ; Search time 105.5 Seconds  
(without alignments)  
36.396 Million cell updates/sec

Title: US-09-867-159A-4

Perfect score: 55

Sequence: 1 QPNYHAVNIV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 171042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 204365

Minimum DB seq length: 0

Maximum DB seq length: 10

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US10E\_PUBCOMB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/2/pubpaa/US11A\_PUBCOMB.pep.\*
- 20: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*
- 21: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 22: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	100.0	10	10	US-09-867-159A-4
2	30	54.5	10	9	US-09-748-578-5
3	30	54.5	10	14	US-10-411-905-5
4	28	50.9	8	16	US-10-220-467A-2
5	28	50.9	9	15	US-10-436-782-24
6	26	47.3	8	10	US-09-880-748-2740
7	26	47.3	8	15	US-10-293-418-2740
8	26	47.3	10	9	US-09-851-138-204
9	25	45.5	8	10	US-09-988-493-162
10	25	45.5	8	13	US-10-007-363-4
11	25	45.5	8	16	US-10-807-553-4

12	25	45.5	9	17	US-10-820-467-236	Sequence 236, App
13	24	43.6	6	16	US-10-699-088-742	Sequence 742, App
14	24	43.6	6	16	US-10-699-088-959	Sequence 959, App
15	24	43.6	6	16	US-10-699-113-48	Sequence 48, Appl
16	24	43.6	6	16	US-10-699-113-742	Sequence 742, App
17	24	43.6	6	17	US-10-699-114-742	Sequence 742, App
18	24	43.6	6	17	US-10-699-114-959	Sequence 959, App
19	24	43.6	6	17	US-10-806-924-11	Sequence 11, Appl
20	24	43.6	6	17	US-10-806-924-705	Sequence 705, App
21	24	43.6	7	14	US-10-052-578-164	Sequence 164, App
22	24	43.6	7	14	US-10-052-578-210	Sequence 210, App
23	24	43.6	7	14	US-10-053-520-164	Sequence 164, App
24	24	43.6	7	14	US-10-053-520-210	Sequence 210, App
25	24	43.6	7	14	US-10-053-498B-164	Sequence 164, App
26	24	43.6	7	14	US-10-053-498B-210	Sequence 210, App
27	24	43.6	7	15	US-10-258-146A-22	Sequence 22, Appl
28	24	43.6	7	15	US-10-258-146A-68	Sequence 68, Appl
29	24	43.6	7	15	US-10-328-953-167	Sequence 167, App
30	24	43.6	7	15	US-10-328-953-213	Sequence 213, App
31	24	43.6	7	16	US-10-258-144-57	Sequence 57, Appl
32	24	43.6	7	16	US-10-258-144-103	Sequence 103, App
33	24	43.6	9	9	US-09-826-177-56	Sequence 56, Appl
34	24	43.6	9	15	US-10-428-335-142	Sequence 142, App
35	24	43.6	6	16	US-10-699-088-760	Sequence 760, App
36	23	41.8	6	16	US-10-699-088-1053	Sequence 1053, Ap
37	23	41.8	6	16	US-10-699-113-142	Sequence 142, App
38	23	41.8	6	16	US-10-699-113-760	Sequence 760, App
39	23	41.8	6	17	US-10-699-114-760	Sequence 760, App
40	23	41.8	6	17	US-10-699-114-1053	Sequence 1053, Ap
41	23	41.8	6	17	US-10-806-924-105	Sequence 105, App
42	23	41.8	6	17	US-10-806-924-723	Sequence 723, App
43	23	41.8	7	15	US-10-285-394-289	Sequence 289, App
44	23	41.8	7	15	US-10-601-837-176	Sequence 176, App
45	23	41.8	7	16	US-10-700-330-190	Sequence 190, App

## ALIGNMENTS

## RESULT 1

US-09-867-159A-4  
; Sequence 4, Application US/09867159A  
; Publication No. US20030104013A1  
; GENERAL INFORMATION:  
; APPLICANT: ANTIALIS  
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one  
; FILE OF INVENTION: and at least one anti-histamine compound  
; FILE REFERENCE: B112812US-antialis  
; CURRENT APPLICATION NUMBER: US/09/867,159A  
; CURRENT FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: FR01/04370  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: FR01/05929  
; PRIOR FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 4  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Dermatophagoides pteronyssinus  
; FEATURE:  
; NAME/KEY: peptide  
; LOCATION: (1)..(10)  
; OTHER INFORMATION: Comprises epitope from cystine protease.  
US-09-867-159A-4

Query Match 100.0%; Score 55; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0017;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QPNYHAVNIV 10

Db 1 QPNYHAVNIV 10

TERRASSE, GAETAN LORIA, EMILE TREHIN, YVES



```

; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
; AGENTS
;
; NUMBER OF SEQUENCES: 207
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
;
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/851,138
; FILING DATE: 09-May-2001
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/836,075
; FILING DATE: <Unknown>
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; APPLICATION NUMBER: EP 95870076.7
; FILING DATE: 28 Jun 1995
;
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
;
; INFORMATION FOR SEQ ID NO: 204:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 204:
;
; US-09-851-138-204
;
; Query Match 47.3%; Score 26; DB 9; Length 10;
; Best Local Similarity 57.1%; Pred. No. 4e+02;
; Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
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; QY 1 QPNYHAV 7
; :|||
; Db 1 RPKYHQV 7
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; RESULT 9
; US-09-988-493-162
; Sequence 162, Application US/09988493
; Publication No. US20030064419A1
; GENERAL INFORMATION:
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
; APPLICANT: O'Hare, Michael John
; APPLICANT: Page, Martin John
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Waterfield, Michael Derek
; TITLE OF INVENTION: Proteins, Genes, and Their Use for
; TITLE OF INVENTION: Diagnosis and Treatment of Breast Cancer
; FILE REFERENCE: 2543-1-024
; CURRENT APPLICATION NUMBER: US/09/988,493
; CURRENT FILING DATE: 2002-05-21
; PRIOR APPLICATION NUMBER: PCT/GB01/01219
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: GB 0006695.1
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: GB 0007265.2
; PRIOR FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162
; LENGTH: 8
; TYPE: PRT

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; ORGANISM: homo sapien
US-09-988-493-162

Query Match      45.5%; Score 25; DB 10; Length 8;
Best Local Similarity 80.0%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 NYHAV 7
       |:|||
Db      2 NFHAV 6

RESULT 10
US-10-007-363-4
; Sequence 4, Application US/10007363
; Publication No. US20020168354A1
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; TITLE OF INVENTION: pseudo-epsilon RACK Peptide Composition
; FILE OF INVENTION: Ischemia
; FILE REFERENCE: 58600-8209.US00
; CURRENT APPLICATION NUMBER: US/10/007,363
; CURRENT FILING DATE: 2002-11-09
; PRIOR APPLICATION NUMBER: US 60/247,830
; PRIOR FILING DATE: 2000-11-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scrambled pseudo-epsilon RACK octapeptide
US-10-007-363-4

Query Match      45.5%; Score 25; DB 13; Length 8;
Best Local Similarity 50.0%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 PNYHAVNI 9
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Db      1 PDYHDAGI 8

RESULT 11
US-10-807-553-4
; Sequence 4, Application US/10807553
; Publication No. US20040186055A1
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; TITLE OF INVENTION: pseudo-epsilon RACK Peptide Composition
; FILE OF INVENTION: Ischemia
; FILE REFERENCE: 58600-8209.US00
; CURRENT APPLICATION NUMBER: US/10/807,553
; CURRENT FILING DATE: 2004-03-22
; PRIOR APPLICATION NUMBER: US/10/007,363
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/247,830
; PRIOR FILING DATE: 2000-11-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scrambled pseudo-epsilon RACK octapeptide
US-10-807-553-4

Query Match      45.5%; Score 25; DB 16; Length 8;
Best Local Similarity 50.0%; Pred. No. 1.5e+06;
```

```
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 PNYHAVNI 9
       |:|||
Db      1 PDYHDAGI 8

RESULT 12
US-10-820-467-236
; Sequence 236, Application US/10820467
; Publication No. US20050054053A1
; GENERAL INFORMATION:
; APPLICANT: Aguinaldo, Anna Marie
; APPLICANT: Beyna, Amelia Joy
; APPLICANT: Cho, Ho Sung
; APPLICANT: Desjarlais, John Rudolph
; APPLICANT: Marshall, Shannon Alicia
; APPLICANT: Muchhal, Umesh
; APPLICANT: Villegas, Michael Francis Aquino
; APPLICANT: Zhukovsky, Eugene
; APPLICANT: Quesenberry, Michael Stephen
; TITLE OF INVENTION: INTERFERON VARIANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: A-71431-4
; CURRENT APPLICATION NUMBER: US/10/820,467
; CURRENT FILING DATE: 2004-03-30
; PRIOR APPLICATION NUMBER: US 60/477,246
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: US 60/415,541
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 60/489,725
; PRIOR FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: US 10/676,705
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 236
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-820-467-236

Query Match      45.5%; Score 25; DB 17; Length 9;
Best Local Similarity 66.7%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      3 NYHAVN 8
       |:|||
Db      3 NFHYVN 8

RESULT 13
US-10-699-088-742
; Sequence 742, Application US/10699088
; Publication No. US20040209282A1
; GENERAL INFORMATION:
; APPLICANT: Dana Ault-Riche
; APPLICANT: Bruce Atkinson
; TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS AND CAPTURE
; FILE OF INVENTION: SYSTEMS CONTAINING THE TAGGED POLYPEPTIDES
; FILE REFERENCE: 25885-1754
; CURRENT APPLICATION NUMBER: US/10/699,088
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: 60/422,923
; PRIOR FILING DATE: 2002-10-30
; PRIOR APPLICATION NUMBER: 60/423,018
; PRIOR FILING DATE: 2002-10-30
; NUMBER OF SEQ ID NOS: 1094
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 742
; LENGTH: 6
; TYPE: PRT
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; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-10-699-088-742

Query Match 43.6%; Score 24; DB 16; Length 6;  
Best Local Similarity 60.0%; Pred. No. 1.5e+06;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QPNYH 5  
: |||  
Db 2 EPGYH 6

## RESULT 14

US-10-699-088-959  
; Sequence 959, Application US/10699088  
; Publication No. US20040209282A1  
; GENERAL INFORMATION:  
; APPLICANT: Dana Ault-Riche  
; APPLICANT: Bruce Atkinson  
; TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS AND CAPTURE  
; FILE OF INVENTION: SYSTEMS CONTAINING THE TAGGED POLYPEPTIDES  
; FILE REFERENCE: 25885-1754  
; CURRENT APPLICATION NUMBER: US/10/699,088  
; PRIOR FILING DATE: 2003-10-30  
; PRIOR APPLICATION NUMBER: 60/422,923  
; PRIOR FILING DATE: 2002-10-30  
; PRIOR APPLICATION NUMBER: 60/423,018  
; PRIOR FILING DATE: 2002-10-30  
; NUMBER OF SEQ ID NOS: 1094  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 959  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-10-699-088-959

Query Match 43.6%; Score 24; DB 16; Length 6;  
Best Local Similarity 60.0%; Pred. No. 1.5e+06;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QPNYH 5  
: |||  
Db 1 EPGYH 5

## RESULT 15

US-10-699-113-48  
; Sequence 48, Application US/10699113  
; Publication No. US20040241748A1  
; GENERAL INFORMATION:  
; APPLICANT: Ault-Riche, Dana  
; APPLICANT: Kumble, Krishnanand  
; APPLICANT: Schulz, Rainer  
; APPLICANT: Schulz, Kenneth  
; TITLE OF INVENTION: Self-Assembling Arrays and Uses Thereof  
; FILE REFERENCE: 25885-1755  
; CURRENT APPLICATION NUMBER: US/10/699,113  
; PRIOR FILING DATE: 2003-10-30  
; PRIOR APPLICATION NUMBER: 60/446,687  
; PRIOR FILING DATE: 2003-02-10  
; NUMBER OF SEQ ID NOS: 948  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 48  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-10-699-113-48

Query Match 43.6%; Score 24; DB 16; Length 6;  
Best Local Similarity 60.0%; Pred. No. 1.5e+06;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QPNYH 5  
: |||  
Db 1 EPGYH 5

Search completed: June 20, 2005, 08:14:33  
Job time : 105.5 secs

**This Page Blank (uspto)**

GenCore version 5.1.6  
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# OM protein - protein search, using sw model

Run on: June 20, 2005, 07:44:59 ; Search time 29.5 Seconds  
(without alignments)  
25.305 Million cell updates/sec

Title: US-09-867-159A-4

Perfect score: 55

Sequence: 1 QPNYHAVNIV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 115750

Minimum DB seq length: 0

Maximum DB seq length: 10

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/iaa/5A COMB pep.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B COMB pep.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A COMB pep.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B COMB pep.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS COMB pep.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1 pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	54.5	10	3	US-09-207-223-5
2	30	54.5	10	4	US-09-748-578-5
3	26	47.3	10	3	US-08-836-075A-204
4	25	45.5	9	1	US-08-615-181-108
5	25	45.5	10	1	US-08-212-433A-33
6	25	45.5	10	3	US-08-716-256-33
7	25	45.5	10	5	PCT-US95-03239-33
8	25	45.5	10	6	5436320-3
9	25	45.5	10	6	5436320-3
10	23	41.8	6	4	US-08-877-605-181
11	23	41.8	6	4	US-08-877-605-220
12	22	40.0	4	4	US-09-057-363C-18
13	22	40.0	4	4	US-09-265-107-18
14	22	40.0	7	1	US-08-092-110A-3
15	22	40.0	7	1	US-08-273-474-3
16	22	40.0	7	3	US-08-405-647B-14
17	22	40.0	7	3	US-08-935-100-3
18	22	40.0	7	3	US-09-147-933-22
19	22	40.0	7	3	US-08-985-499-14
20	22	40.0	7	5	PCT-US94-07881-3
21	22	40.0	7	5	PCT-US96-03180-14
22	22	40.0	8	3	US-08-947-965-62
23	22	40.0	8	3	US-08-444-818-404
24	22	40.0	9	2	US-08-318-856A-34
25	22	40.0	10	3	US-08-836-075A-195
26	21	38.2	4	1	US-08-456-424-79
27	21	38.2	4	1	US-08-456-424-80

28	21	38.2	5	2	US-08-558-823-12	Sequence 12, Appl
29	21	38.2	5	3	US-08-604-991-14	Sequence 14, Appl
30	21	38.2	5	3	US-09-363-639-14	Sequence 14, Appl
31	21	38.2	6	2	US-08-428-131-3	Sequence 3, Appl
32	21	38.2	6	2	US-08-558-823-15	Sequence 15, Appl
33	21	38.2	6	2	US-08-558-823-16	Sequence 16, Appl
34	21	38.2	6	2	US-08-310-912A-104	Sequence 104, App
35	21	38.2	6	3	US-08-893-534A-44	Sequence 44, Appl
36	21	38.2	6	3	US-08-841-089-104	Sequence 104, App
37	21	38.2	6	3	US-09-078-596-3	Sequence 3, Appl
38	21	38.2	6	3	US-08-996-679-44	Sequence 44, Appl
39	21	38.2	6	3	US-08-939-853A-28	Sequence 28, Appl
40	21	38.2	6	3	US-09-115-395-19	Sequence 19, Appl
41	21	38.2	6	3	US-09-301-085-104	Sequence 104, App
42	21	38.2	6	3	US-09-507-102-44	Sequence 44, Appl
43	21	38.2	6	3	US-09-250-059-34	Sequence 34, Appl
44	21	38.2	6	3	US-09-248-074-34	Sequence 34, Appl
45	21	38.2	6	3	US-09-187-859-60	Sequence 60, Appl

## ALIGNMENTS

### RESULT 1

US-09-207-223-5

; Sequence 5, Application US/09207223

; Patent No. 6168937

; GENERAL INFORMATION:

; APPLICANT: Elbein, Alan D.

; APPLICANT: Bannon, Gary A.

; TITLE OF INVENTION: Purified (1,2-Xylosyltransferase and Uses Thereof

; FILE REFERENCE: D6063

; CURRENT APPLICATION NUMBER: US/09/207,223

; CURRENT FILING DATE: 1998-12-08

; EARLIER APPLICATION NUMBER: US 60/067,932

; EARLIER FILING DATE: 1997-12-08

; NUMBER OF SEQ ID NOS: 7

; SEQ ID NO 5

; LENGTH: 10

; TYPE: PRT

; ORGANISM: soybean

; FEATURE:

; OTHER INFORMATION: Amino acid sequence of a peptide released by Endo lys C

; OTHER INFORMATION: digestion of purified xylosyltransferase.

US-09-207-223-5

Query Match 54.5%; Score 30; DB 3; Length 10;

Best Local Similarity 66.7%; Pred. No. 15;

Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 4 YHAVNI 9

Db 4 YHAINL 9

### RESULT 2

US-09-748-578-5

; Sequence 5, Application US/09748578

; Patent No. 6593462

; GENERAL INFORMATION:

; APPLICANT: Elbein, Alan D.

; APPLICANT: Bannon, Gary A.

; TITLE OF INVENTION: Purified (1,2-Xylosyltransferase and Uses Thereof

; FILE REFERENCE: D6063/D

; CURRENT APPLICATION NUMBER: US/09/748,578

; CURRENT FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: US 09/207,223

; PRIOR FILING DATE: 1998-12-08

; NUMBER OF SEQ ID NOS: 7

; SEQ ID NO 5

; LENGTH: 10

; TYPE: PRT

; ORGANISM: soybean



STATE: CA  
COUNTRY: USA  
ZIP: 94105-1492  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/212,433A  
APPLICATION NUMBER: US/08/212,433A  
FILING DATE: 14-MAR-1994  
CLASSIFICATION: 436  
ATTORNEY/AGENT INFORMATION:  
NAME: Hughes, Richard L.  
REGISTRATION NUMBER: 31,264  
REFERENCE/DOCKET NUMBER: 16336-2  
TELEPHONE: 206-467-9600  
TELEFAX: 415-543-5043  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-212-433A-33

Query Match 45.5%; Score 25; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4  
Db 6 QPNY 9

RESULT 6  
US-08-716-256-33  
Sequence 33, Application US/08716256  
Patent No. 6017693  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: USE OF MASS SPECTROMETRY FRAGMENTATION PATTERNS TO IDENTIFY NUCLEOTIDE, AMINO ACID OR CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY ORGANISMS  
TITLE OF INVENTION: CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY ORGANISMS  
NUMBER OF SEQUENCES: 46  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/716,256  
APPLICATION NUMBER: US/08/716,256  
FILING DATE:  
CLASSIFICATION: 436  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/03239  
FILING DATE: 14-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Parmelee, Steven W.  
REGISTRATION NUMBER: 31,990  
REFERENCE/DOCKET NUMBER: 16336-2PC  
TELEPHONE: 206-467-9600  
TELEFAX: 415-543-5043  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-716-256-33

Query Match 45.5%; Score 25; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4  
Db 6 QPNY 9

RESULT 7  
PCT-US95-03239-33  
Sequence 33, Application PC/TUS9503239  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: USE OF MASS SPECTROMETRY FRAGMENTATION PATTERNS TO IDENTIFY NUCLEOTIDE, AMINO ACID OR CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY ORGANISMS  
TITLE OF INVENTION: CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY ORGANISMS  
NUMBER OF SEQUENCES: 46  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: PCT/US95/03239  
APPLICATION NUMBER: PCT/US95/03239  
FILING DATE: 14-MAR-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/212,433  
FILING DATE: 14-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Parmelee, Steven W.  
REGISTRATION NUMBER: 31,990  
REFERENCE/DOCKET NUMBER: 16336-2PC  
TELEPHONE: 206-467-9600  
TELEFAX: 415-543-5043  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US95-03239-33

Query Match 45.5%; Score 25; DB 5; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4  
Db 6 QPNY 9

RESULT 8  
5436320-3  
Patent No. 5436320  
APPLICANT: SPIEGEL, ALLEN M.  
TITLE OF INVENTION: ANTIBODY REAGENTS THAT IDENTIFY THE CARBOXY-TERMINAL PEPTIDE OF THE GTP-BINDING PROTEIN G  
NUMBER OF SEQUENCES: 10  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/820,377  
FILING DATE: 14-JAN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 564,675

; FILING DATE: 08-AUG-1990  
; APPLICATION NUMBER: 365,919  
; FILING DATE: 15-JUN-1989  
; APPLICATION NUMBER: 100,909  
; FILING DATE: 25-SEP-1987  
; SEQ ID NO:3:  
; LENGTH: 10  
5436320-3

Query Match 45.5%; Score 25; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4  
Db 6 QPNY 9

RESULT 9  
5436320-3  
; Patent No. 5436320  
; APPLICANT: SPIEGEL, ALLEN M.  
; TITLE OF INVENTION: ANTIBODY REAGENTS THAT IDENTIFY THE  
; CARBOXY-TERMINAL PEPTIDE OF THE GTP-BINDING PROTEIN G  
; NUMBER OF SEQUENCES: 10  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/820,377  
; FILING DATE: 14-JAN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 564,675  
; FILING DATE: 08-AUG-1990  
; APPLICATION NUMBER: 365,919  
; FILING DATE: 15-JUN-1989  
; APPLICATION NUMBER: 100,909  
; FILING DATE: 25-SEP-1987  
; SEQ ID NO:3:  
; LENGTH: 10  
5436320-3

Query Match 45.5%; Score 25; DB 6; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4  
Db 6 QPNY 9

RESULT 10  
US-08-877-605-181  
; Sequence 181, Application US/08877605  
; Patent No. 6582965  
; GENERAL INFORMATION:  
; APPLICANT: Robert Townsend  
; APPLICANT: Raj Parekh  
; APPLICANT: Sally Prime  
; APPLICANT: Nick Webb  
; TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION  
; FILE REFERENCE: 9195-004  
; CURRENT APPLICATION NUMBER: US/08/877,605  
; CURRENT FILING DATE: 1997-06-18  
; NUMBER OF SEQ ID NOS: 353  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 181  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Peptide X Library  
US-08-877-605-181

Query Match 41.8%; Score 23; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 4.1e+05;

Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 4 YHAVN 8  
Db 1 YHAID 5

RESULT 11  
US-08-877-605-220  
; Sequence 220, Application US/08877605  
; Patent No. 6582965  
; GENERAL INFORMATION:  
; APPLICANT: Robert Townsend  
; APPLICANT: Raj Parekh  
; APPLICANT: Sally Prime  
; APPLICANT: Nick Webb  
; TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION  
; FILE REFERENCE: 9195-004  
; CURRENT APPLICATION NUMBER: US/08/877,605  
; CURRENT FILING DATE: 1997-06-18  
; NUMBER OF SEQ ID NOS: 353  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 220  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Peptide X Library  
US-08-877-605-220

Query Match 41.8%; Score 23; DB 4; Length 6;  
Best Local Similarity 60.0%; Pred. No. 4.1e+05;  
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 NYHAV 7  
Db 1 DYHAI 5

RESULT 12  
US-09-057-363C-18  
; Sequence 18, Application US/09057363C  
; Patent No. 6551994  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; Gour, Barbara J.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INHIBITING THE  
; INTERACTION BETWEEN ALPHA-CATENIN AND BETA-CATENIN  
; NUMBER OF SEQUENCES: 73  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Seed Intellectual Property Law Group  
; STREET: 701 Fifth Avenue, Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/057,363C  
; FILING DATE: 08-Apr-1998  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Christiansen, William T.  
; REGISTRATION NUMBER: 44,614  
; REFERENCE/DOCKET NUMBER: 100086.406  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 18:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 4 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-057-363C-18
Query Match 40.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 HAVN 8
Db 1 HAVN 4

RESULT 13
US-09-265-107-18
; Sequence 18, Application US/09265107A
; Patent No. 6683048
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR STIMULATING
; TITLE OF INVENTION: GENE EXPRESSION AND CELLULAR DIFFERENTIATION
; FILE REFERENCE: 100086.406C1
; CURRENT APPLICATION NUMBER: US/09/265,107A
; CURRENT FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 4
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Linear peptide modulating agent
US-09-265-107-18
Query Match 40.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 HAVN 8
Db 1 HAVN 4

RESULT 14
US-08-092-110A-3
; Sequence 3, Application US/08092110A
; Patent No. 5585477
; GENERAL INFORMATION:
; APPLICANT: Kilpatrick, David R.
; TITLE OF INVENTION: POLIOVIRUS SPECIFIC PRIMERS AND
; TITLE OF INVENTION: METHODS OF DETECTION UTILIZING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Building, 127
; STREET: Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/092,110A
; FILING DATE: 13-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414.617
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-273-474-3
Query Match 40.0%; Score 22; DB 1; Length 7;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 NYHAVN 8
Db 2 NGHVN 7

RESULT 15
US-08-273-474-3
; Sequence 3, Application US/08273474
; Patent No. 5691134
; GENERAL INFORMATION:
; APPLICANT: Kilpatrick, David R.
; TITLE OF INVENTION: POLIOVIRUS SPECIFIC PRIMERS AND METHODS
; TITLE OF INVENTION: OF DETECTION UTILIZING THE SAME
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Building, 127
; STREET: Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/273,474
; FILING DATE: 13-JUL-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414.617
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-273-474-3
Query Match 40.0%; Score 22; DB 1; Length 7;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 NYHAVN 8
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Db | | | | |  
2 NGHALN 7

Search completed: June 20, 2005, 07:58:26  
Job time : 30.5 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:43:59 ; Search time 152 Seconds  
(without alignments)  
22.736 Million cell updates/sec

Title: US-09-867-159A-5

Perfect score: 57

Sequence: 1 WTVRNSWDT 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 157569

Minimum DB seq length: 0

Maximum DB seq length: 9

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
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20: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*  
21: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
22: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	57	100.0	9	10	US-09-867-159A-5
2	33	57.9	9	9	Sequence 5, Appl1
3	33	57.9	9	9	Sequence 116, App
4	33	57.9	9	14	US-10-264-374-116
5	33	57.9	9	14	Sequence 116, App
6	33	57.9	9	15	US-10-375-992-116
7	30	52.6	5	16	US-10-264-374-116
8	29	50.9	8	16	US-10-375-992-116
9	28	49.1	9	17	US-10-867-888-15
10	27	47.4	9	9	GENERAL INFORMA
11	26	45.6	7	16	Sequence 25, Appl
					Sequence 145, App
					Sequence 24, Appl

12	26	45.6	8	14	US-10-190-082-286	Sequence 286, App
13	26	45.6	9	15	US-10-024-652-130	Sequence 130, App
14	26	45.6	9	15	US-10-024-652-981	Sequence 981, App
15	26	45.6	9	17	US-10-482-284A-134	Sequence 134, App
16	26	45.6	9	17	US-10-888-348-24	Sequence 24, Appl
17	25	43.9	9	10	US-09-793-451-30	Sequence 30, Appl
18	25	43.9	9	10	US-09-793-451-235	Sequence 235, App
19	25	43.9	9	10	US-09-793-451-353	Sequence 353, App
20	25	43.9	9	10	US-09-793-451-649	Sequence 649, App
21	25	43.9	9	10	US-09-942-052-119	Sequence 119, App
22	25	43.9	9	14	US-10-283-722-30	Sequence 30, Appl
23	25	43.9	9	14	US-10-283-722-235	Sequence 235, App
24	25	43.9	9	14	US-10-283-722-353	Sequence 353, App
25	25	43.9	9	14	US-10-283-722-649	Sequence 649, App
26	25	43.9	9	15	US-10-283-903-30	Sequence 30, Appl
27	25	43.9	9	15	US-10-283-903-235	Sequence 235, App
28	25	43.9	9	15	US-10-283-903-353	Sequence 353, App
29	25	43.9	9	15	US-10-283-903-649	Sequence 649, App
30	25	43.9	9	17	US-10-808-187-677	Sequence 677, App
31	24	42.1	7	14	US-10-190-082-16	Sequence 16, Appl
32	24	42.1	8	14	US-10-351-641-1643	Sequence 1643, App
33	24	42.1	9	15	US-10-334-726-184	Sequence 184, App
34	24	42.1	9	15	US-10-334-726-295	Sequence 295, App
35	24	42.1	9	15	US-10-609-217-664	Sequence 664, App
36	24	42.1	9	15	US-10-632-388-664	Sequence 664, App
37	24	42.1	9	15	US-10-651-723-664	Sequence 664, App
38	24	42.1	9	15	US-10-645-761-664	Sequence 664, App
39	24	42.1	9	15	US-10-666-696-664	Sequence 664, App
40	24	42.1	9	15	US-10-653-048-664	Sequence 664, App
41	23	40.4	5	18	US-10-645-784-664	Sequence 664, App
42	23	40.4	5	16	US-10-705-195-17	Sequence 17, Appl
43	23	40.4	5	16	US-10-714-564A-471	Sequence 471, App
44	23	40.4	6	14	US-10-072-602B-626	Sequence 626, App
45	23	40.4	6	14	US-10-072-602B-628	Sequence 628, App

#### ALIGNMENTS

#### RESULT 1

US-09-867-159A-5  
; Sequence 5, Application US/09867159A  
; Publication No. US20030104013A1  
; GENERAL INFORMATION:  
; APPLICANT: ANTIALIS  
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one  
; TITLE OF INVENTION: and at least one anti-histamine compound  
; FILE REFERENCE: B112812US-antialis  
; CURRENT APPLICATION NUMBER: US/09/867,159A  
; CURRENT FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: FR01/04370  
; PRIOR FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: FR01/05929  
; PRIOR FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 5  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Dermatophagoides pteronyssinus  
; FEATURE:  
; NAME/KEY: peptide  
; LOCATION: (1)..(9)  
; OTHER INFORMATION: Comprises epitope from cystine protease.

US-09-867-159A-5  
Query Match 100.0%; Score 57; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.5e+06;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WTVRNSWDT 9

Db 1 WTVRNSWDT 9

RESULT 2  
US-09-765-086-116  
; Sequence 116, Application US/09765086  
; Patent No. US20010046498A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; APPLICANT: Wadib, Arap  
; APPLICANT: Bredesen, Dale E.  
; APPLICANT: Ellerby, H. Michael  
; TITLE OF INVENTION: Chimeric Prostate-Homing Peptides With  
; TITLE OF INVENTION: Pro-Apoptotic Activity  
; FILE REFERENCE: P-LJ 3844  
; CURRENT APPLICATION NUMBER: US/09/765,086  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US 09/489,582  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 235  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 116  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic peptide  
US-09-765-086-116

Query Match 57.9%; Score 33; DB 9; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7  
Db 1 WTCRASW 7

RESULT 3  
US-10-264-374-116  
; Sequence 116, Application US/10264374  
; Publication No. US20030113320A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing  
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using  
; FILE REFERENCE: P-LJ 3203  
; CURRENT APPLICATION NUMBER: US/10/264,374  
; PRIOR FILING DATE: 2002-10-03  
; PRIOR APPLICATION NUMBER: US/09/139,802  
; PRIOR FILING DATE: 1998-08-25  
; PRIOR APPLICATION NUMBER: 08/926,914  
; PRIOR FILING DATE: 1997-09-10  
; PRIOR APPLICATION NUMBER: 08/710,067  
; PRIOR FILING DATE: 1996-09-10  
; NUMBER OF SEQ ID NOS: 226  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 116  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-10-264-374-116

Query Match 57.9%; Score 33; DB 14; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7

Db 1 WTCRASW 7  
RESULT 4  
US-10-375-992-116  
; Sequence 116, Application US/10375992  
; Publication No. US20030152578A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates  
; TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same  
; NUMBER OF SEQUENCES: 199  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell & Flores  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: United States  
; ZIP: 92122  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/375,992  
; FILING DATE: 27-Feb-2003  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/926,914  
; FILING DATE: 10-SEP-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-LJ 2725  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; INFORMATION FOR SEQ ID NO: 116:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; TOPOLOGY: both  
; MOLECULE TYPE: peptide  
; SEQUENCE DESCRIPTION: SEQ ID NO: 116:  
US-10-375-992-116

Query Match 57.9%; Score 33; DB 14; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7  
Db 1 WTCRASW 7

RESULT 5  
US-10-264-374-116  
; Sequence 116, Application US/10264374  
; Publication No. US20040096441A9  
; GENERAL INFORMATION:  
; APPLICANT: Ruoslahti, Erkki  
; APPLICANT: Pasqualini, Renata  
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing  
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using  
; FILE REFERENCE: P-LJ 3203  
; CURRENT APPLICATION NUMBER: US/10/264,374  
; CURRENT FILING DATE: 2002-10-03  
; PRIOR APPLICATION NUMBER: US/09/139,802  
; PRIOR FILING DATE: 1998-08-25

;; PRIOR APPLICATION NUMBER: 08/926,914  
;; PRIOR FILING DATE: 1997-09-10  
;; PRIOR APPLICATION NUMBER: 08/710,067  
;; PRIOR FILING DATE: 1996-09-10  
;; NUMBER OF SEQ ID NOS: 226  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 116  
;; LENGTH: 9  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
;; OTHER INFORMATION: Peptide  
US-10-264-374-116

Query Match 57.9%; Score 33; DB 15; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVNSW 7  
|||  
Db 1 WTCRASW 7

RESULT 6  
US-10-375-992-116  
;; Sequence 116, Application US/10375992  
;; Publication No. US20040131623A9  
;; GENERAL INFORMATION:  
;; APPLICANT: Ruoslahti, Erkki  
;; PASQUALINI, Renata  
;; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates  
;; DERIVED THEREFROM, AND METHODS OF USING SAME  
;; NUMBER OF SEQUENCES: 199  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Campbell & Flores  
;; STREET: 4370 La Jolla Village Drive, Suite 700  
;; CITY: San Diego  
;; STATE: California  
;; COUNTRY: United States  
;; ZIP: 92122  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/375,992  
;; FILING DATE: 27-Feb-2003  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/926,914  
;; FILING DATE: 10-SEP-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Campbell, Cathryn A.  
;; REGISTRATION NUMBER: 31,815  
;; REFERENCE/DOCKET NUMBER: P-LJ 2725  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (619) 535-9001  
;; TELEFAX: (619) 535-8949  
;; INFORMATION FOR SEQ ID NO: 116:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 9 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: both  
;; MOLECULE TYPE: peptide  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 116:  
US-10-375-992-116

Query Match 57.9%; Score 33; DB 16; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVNSW 7  
|||  
Db 1 WTCRASW 7

RESULT 7  
US-10-867-888-15  
;; Sequence 15, Application US/10867888  
;; Publication No. US20040253683A1  
;; GENERAL INFORMATION:  
;; APPLICANT: CAROLYN PETERSEN  
;; JIN-XING HUANG  
;; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,  
;; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,  
;; TREATMENT, DIAGNOSIS AND  
;; DETECTION OF  
;; NUMBER OF SEQUENCES: 16  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: PETERS, VERNY, JONES & BIK A  
;; STREET: 385 Sherman Avenue, Suite 6  
;; CITY: Palo Alto  
;; STATE: California  
;; COUNTRY: United States of America  
;; ZIP: 94306-1840  
;; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage  
;; COMPUTER: PC  
;; OPERATING SYSTEM: WINDOWS  
;; SOFTWARE: Wordperfect 6.0a WINDOWS  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/867,888  
;; FILING DATE: 14-Jun-2004  
;; CLASSIFICATION: 536  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/827,171  
;; FILING DATE: March 27, 1997  
;; APPLICATION NUMBER: 60/014,233  
;; FILING DATE: March 27, 1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Hana Verny  
;; REGISTRATION NUMBER: 30,518  
;; REFERENCE/DOCKET NUMBER: (HV)  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 324-1677  
;; TELEFAX: (415) 324-1678  
;; INFORMATION FOR SEQ ID NO: 15:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 5 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-10-867-888-15

Query Match 52.6%; Score 30; DB 16; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7  
|||||  
Db 1 VRNSW 5

RESULT 8  
US-10-867-888-14  
;; GENERAL INFORMATION:  
;; APPLICANT: CAROLYN PETERSEN  
;; JIN-XING HUANG  
;; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,  
;; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,  
;; TREATMENT, DIAGNOSIS AND  
;; DETECTION OF

; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: PETERS, VERNY, JONES & BIK A  
; STREET: 385 Sherman Avenue, Suite 6  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94306-1840  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage  
; COMPUTER: PC  
; OPERATING SYSTEM: WINDOWS  
; SOFTWARE: Wordperfect 6.0a WINDOWS  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/867,888  
; FILING DATE: 14-Jun-2004  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/827,171  
; FILING DATE: March 27, 1997  
; APPLICATION NUMBER: 60/014,233  
; FILING DATE: March 27, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hana Verny  
; REGISTRATION NUMBER: 30,518  
; REFERENCE/DOCKET NUMBER: (HV)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 324-1677  
; TELEFAX: (415) 324-1678  
; LOCATION:  
; IDENTIFICATION METHOD:  
; OTHER INFORMATION:  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-10-867-888-14

Query Match 50.9%; Score 29; DB 16; Length 8;  
Best Local Similarity 57.1%; Pred. No. 1.5e+06;  
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 WTVRNSW 7  
DB 2 WTXXNSW 8

RESULT 9  
US-10-888-348-25  
; Sequence 25, Application US/10888348  
; Publication No. US20050064555A1  
; GENERAL INFORMATION:  
; APPLICANT: Marshall, Shannon  
; APPLICANT: Barbosa, Maria  
; TITLE OF INVENTION: CILIARY NEUTROTROPIC FACTOR VARIANTS  
; FILE REFERENCE: 34431/US  
; CURRENT APPLICATION NUMBER: US/10/888,348  
; CURRENT FILING DATE: 2004-07-09  
; PRIOR APPLICATION NUMBER: US 60/485,941  
; PRIOR FILING DATE: 2003-07-09  
; PRIOR APPLICATION NUMBER: US 60/528,229  
; PRIOR FILING DATE: 2003-12-08  
; NUMBER OF SEQ ID NOS: 165  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 25  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-888-348-25

Query Match 49.1%; Score 28; DB 17; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1.5e+06;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSWD 8  
|||||

Db 1 WTVRSIHD 8  
RESULT 10  
US-09-834-765-155  
; Sequence 155, Application US/09834765  
; Patent No. US20020055478A1  
; GENERAL INFORMATION:  
; APPLICANT: Mary Paris  
; APPLICANT: Pia M. Challita-Bid  
; APPLICANT: Arthur B. Raitano  
; APPLICANT: Steve Chappel Mitchell  
; APPLICANT: Daniel E.H. Afar  
; APPLICANT: Ava Jakobovits  
; TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL IN TREATMENT  
; TITLE OF INVENTION: AND DETECTION OF CANCER  
; FILE REFERENCE: 129.6USU1  
; CURRENT APPLICATION NUMBER: US/09/834,765  
; CURRENT FILING DATE: 2001-09-21  
; PRIOR APPLICATION NUMBER: 60/197,647  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 770  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 155  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-834-765-155

Query Match 47.4%; Score 27; DB 9; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWDT 9  
DB 2 TVLQLMDT 9

RESULT 11  
US-10-363-204-24  
; Sequence 24, Application US/10363204  
; Publication No. US20040170955A1  
; GENERAL INFORMATION:  
; APPLICANT: Board of Regents, The University of Texas System  
; TITLE OF INVENTION: Human and Mouse Targeting Peptides Identified by Phage Display  
; FILE REFERENCE: 005774.P003PCT  
; CURRENT APPLICATION NUMBER: US/10/363,204  
; CURRENT FILING DATE: 2003-03-07  
; NUMBER OF SEQ ID NOS: 251  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 24  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: Peptide  
; LOCATION: (1)..(7)  
; OTHER INFORMATION: synthetic construct  
US-10-363-204-24

Query Match 45.6%; Score 26; DB 16; Length 7;  
Best Local Similarity 80.0%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 WTVRN 5  
DB 2 WTVRD 6

RESULT 12  
US-10-190-082-286  
; Sequence 286, Application US/10190082  
; Publication No. US20030148264A1

; GENERAL INFORMATION:  
; APPLICANT: Lasky, Lawrence A.  
; APPLICANT: Sidhu, Sachdev S.  
; APPLICANT: Held, Heike A.  
; TITLE OF INVENTION: PHAGE DISPLAYED PDZ DOMAIN LIGANDS  
; FILE REFERENCE: P1905R1  
; CURRENT APPLICATION NUMBER: US/10/190,082  
; CURRENT FILING DATE: 2002-07-03  
; PRIOR APPLICATION NUMBER: US 60/303,634  
; PRIOR FILING DATE: 2001-07-06  
; NUMBER OF SEQ ID NOS: 693  
; SEQ ID NO 286  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-190-082-286

Query Match 45.6%; Score 26; DB 14; Length 8;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 TVRNSW 7  
||| :||  
Db 2 TVRETW 7

RESULT 13  
US-10-024-652-130  
; Sequence 130, Application US/10024652  
; Publication No. US20030219738A1  
; GENERAL INFORMATION:  
; APPLICANT: Agensys, Inc  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Paris, Mary  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Mitchell, Steve Chappell  
; APPLICANT: Levin, Elana  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc  
; TITLE OF INVENTION: Transporter Protein Entitled 108P5H8 Useful in Treatment and  
; TITLE OF INVENTION: Detection of Cancer  
; FILE REFERENCE: 51158-20025.00  
; CURRENT APPLICATION NUMBER: US/10/024,652  
; CURRENT FILING DATE: 2002-06-28  
; PRIOR APPLICATION NUMBER: 60/256,210  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 2598  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 130  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-024-652-130

Query Match 45.6%; Score 26; DB 15; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWD 9  
||| :||  
Db 2 TPRIIWDT 9

RESULT 14  
US-10-024-652-981  
; Sequence 981, Application US/10024652  
; Publication No. US20030219738A1  
; GENERAL INFORMATION:  
; APPLICANT: Agensys, Inc  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Paris, Mary  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Mitchell, Steve Chappell  
; APPLICANT: Levin, Elana  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc  
; TITLE OF INVENTION: Transporter Protein Entitled 108P5H8 Useful in Treatment and  
; TITLE OF INVENTION: Detection of Cancer  
; FILE REFERENCE: 51158-20025.00  
; CURRENT APPLICATION NUMBER: US/10/024,652  
; CURRENT FILING DATE: 2002-06-28  
; PRIOR APPLICATION NUMBER: 60/256,210  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 2598  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 130  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-024-652-130

; APPLICANT: Agensys, Inc  
; APPLICANT: Challita-Eid, Pia M.  
; APPLICANT: Paris, Mary  
; APPLICANT: Afar, Daniel E.H.  
; APPLICANT: Hubert, Rene S.  
; APPLICANT: Mitchell, Steve Chappell  
; APPLICANT: Levin, Elana  
; APPLICANT: Morrison, Karen Jane Meyrick  
; APPLICANT: Raitano, Arthur B.  
; APPLICANT: Jakobovits, Aya  
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc  
; TITLE OF INVENTION: Transporter Protein Entitled 108P5H8 Useful in Treatment and  
; TITLE OF INVENTION: Detection of Cancer  
; FILE REFERENCE: 51158-20025.00  
; CURRENT APPLICATION NUMBER: US/10/024,652  
; CURRENT FILING DATE: 2002-06-28  
; PRIOR APPLICATION NUMBER: 60/256,210  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 2598  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 981  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-024-652-981

Query Match 45.6%; Score 26; DB 15; Length 9;  
Best Local Similarity 62.5%; Pred. No. 1.5e+06;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWD 9  
||| :||  
Db 2 TPRIIWDT 9

RESULT 15  
US-10-482-284A-134  
; Sequence 134, Application US/10482284A  
; Publication No. US20050019344A1  
; GENERAL INFORMATION:  
; APPLICANT: KHANNA, Rajiv  
; APPLICANT: ELKINGTON, Rebecca A.  
; APPLICANT: WALKER, Susan J.  
; TITLE OF INVENTION: Novel human cytomegalovirus (HCMV) cytotoxic T cell epitopes,  
; TITLE OF INVENTION: polypeptides, compositions comprising same and diagnostic and the  
; TITLE OF INVENTION: uses therefore  
; FILE REFERENCE: 47-203  
; CURRENT APPLICATION NUMBER: US/10/482,284A  
; CURRENT FILING DATE: 2003-12-29  
; PRIOR APPLICATION NUMBER: AU PR5931  
; PRIOR FILING DATE: 2001-06-26  
; NUMBER OF SEQ ID NOS: 318  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 134  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: human cytomegalovirus pp150 CTL epitope peptide  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: human cytomegalovirus pp65 C  
US-10-482-284A-134

Query Match 45.6%; Score 26; DB 17; Length 9;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VRNSWD 8  
||| :||  
Db 2 VRRSWE 7

Search completed: June 20, 2005, 07:57:20  
Job time : 152 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:32:28 ; Search time 42 Seconds  
(without alignments)  
15.996 Million cell updates/sec

Title: US-09-867-159A-5

Perfect score: 57

Sequence: 1 WTVRNSWDT 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 99282

Minimum DB seq length: 0

Maximum DB seq length: 9

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/iaa/5A COMB.pcp.\*
- 2: /cgn2\_6/ptodata/1/iaa/5B COMB.pcp.\*
- 3: /cgn2\_6/ptodata/1/iaa/6A COMB.pcp.\*
- 4: /cgn2\_6/ptodata/1/iaa/6B COMB.pcp.\*
- 5: /cgn2\_6/ptodata/1/iaa/PCUTUS COMB.pcp.\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	71.9	8	4	US-09-588-995A-112
2	33	57.9	9	3	US-09-139-802-116
3	33	57.9	9	4	US-09-559-786-116
4	33	57.9	9	4	US-08-926-914-116
5	30	52.6	5	3	US-08-827-171B-15
6	30	52.6	5	4	US-09-588-995A-113
7	30	52.6	5	4	US-09-598-062-15
8	29	50.9	8	3	US-08-827-171B-14
9	29	50.9	8	4	US-09-598-062-14
10	26.5	46.5	9	2	US-08-706-741B-79
11	26.5	46.5	9	2	US-08-924-695A-79
12	24.5	43.0	9	2	US-08-733-505A-42
13	24.5	43.0	9	2	US-08-706-741B-77
14	24.5	43.0	9	2	US-08-924-695A-77
15	24	42.1	8	3	US-09-082-279B-1488
16	24	42.1	8	3	US-09-315-304B-1642
17	24	42.1	8	4	US-09-834-784-1488
18	24	42.1	8	4	US-09-350-641C-1643
19	24	42.1	9	1	US-08-190-788A-34
20	24	42.1	9	1	US-08-383-474B-39
21	24	42.1	9	1	US-08-465-391A-34
22	24	42.1	9	2	US-08-464-538B-34
23	24	42.1	9	2	US-08-463-076B-78
24	24	42.1	9	4	US-09-428-082B-664
25	23	40.4	5	4	US-09-807-063-17
26	23	40.4	8	3	US-09-082-279B-1483
27	23	40.4	8	3	US-09-082-279B-1484

28	23	40.4	8	3	US-09-082-279B-1486	Sequence 1486, Ap
29	23	40.4	8	3	US-09-082-279B-1489	Sequence 1489, Ap
30	23	40.4	8	3	US-09-082-279B-1499	Sequence 1499, Ap
31	23	40.4	8	3	US-09-315-304B-1562	Sequence 1562, Ap
32	23	40.4	8	3	US-09-315-304B-1637	Sequence 1637, Ap
33	23	40.4	8	3	US-09-315-304B-1638	Sequence 1638, Ap
34	23	40.4	8	3	US-09-315-304B-1639	Sequence 1639, Ap
35	23	40.4	8	3	US-09-315-304B-1640	Sequence 1640, Ap
36	23	40.4	8	3	US-09-315-304B-1653	Sequence 1653, Ap
37	23	40.4	8	4	US-09-360-545-46	Sequence 46, Appl
38	23	40.4	8	4	US-09-350-325-22	Sequence 22, Appl
39	23	40.4	8	4	US-09-834-784-1483	Sequence 1483, Ap
40	23	40.4	8	4	US-09-834-784-1484	Sequence 1484, Ap
41	23	40.4	8	4	US-09-834-784-1486	Sequence 1486, Ap
42	23	40.4	8	4	US-09-834-784-1489	Sequence 1489, Ap
43	23	40.4	8	4	US-09-834-784-1499	Sequence 1499, Ap
44	23	40.4	8	4	US-09-515-965A-1594	Sequence 1594, Ap
45	23	40.4	8	4	US-09-350-641C-1562	Sequence 1562, Ap

#### ALIGNMENTS

##### RESULT 1

US-09-588-995A-112  
; Sequence 112, Application US/09588995A  
; Patent No. 6514697  
; GENERAL INFORMATION:  
; APPLICANT: PETERSEN, CAROLYN  
; APPLICANT: BARNES, DEBRA A.  
; APPLICANT: NELSON, RICHARD C.  
; APPLICANT: GUT, JIRI  
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM  
; TITLE OF INVENTION: INFECTIONS  
; FILE REFERENCE: 480.19-5  
; CURRENT APPLICATION NUMBER: US/09/588,995A  
; CURRENT FILING DATE: 2000-06-06  
; PRIOR APPLICATION NUMBER: 08/827,171  
; PRIOR FILING DATE: 1997-03-27  
; PRIOR APPLICATION NUMBER: 08/928,361  
; PRIOR FILING DATE: 1997-09-12  
; PRIOR APPLICATION NUMBER: 08/700,651  
; PRIOR FILING DATE: 1996-08-14  
; PRIOR APPLICATION NUMBER: 08/415,751  
; PRIOR FILING DATE: 1995-04-03  
; NUMBER OF SEQ ID NOS: 115  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 112  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Cryptosporidium parvum  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (3)  
; OTHER INFORMATION: L or I  
US-09-588-995A-112

Query Match 71.9%; Score 41; DB 4; Length 8;

Best Local Similarity 85.7%; Pred.No. 4.1e+05; Mismatches 1; Indels 0; Gaps 0;

Matches 6; Conservative 0;

QY 1 WTVRNSW 7  
| | | | |  
Db 2 WKVRNSW 8

##### RESULT 2

US-09-139-802-116  
; Sequence 116, Application US/09139802  
; Patent No. 6180084  
; GENERAL INFORMATION:  
; APPLICANT: RUOSLANTI, Erkki

```
/ APPLICANT: Pasqualini, Renata
/ TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
/ TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
/ TITLE OF INVENTION: Same
/ FILE REFERENCE: P-LJ 3203
/ CURRENT APPLICATION NUMBER: US/09/139,802
/ CURRENT FILING DATE: 1998-08-25
/ EARLIER APPLICATION NUMBER: 08/926,914
/ EARLIER FILING DATE: 1997-09-10
/ EARLIER APPLICATION NUMBER: 08/710,067
/ EARLIER FILING DATE: 1996-09-10
/ NUMBER OF SEQ ID NOS: 226
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 116
/ LENGTH: 9
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
/ OTHER INFORMATION: Peptide
US-09-139-802-116

Query Match          57.9%; Score 33; DB 3; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 WTVRNSW 7
        ||| |||
Db       1 WTCRASW 7

RESULT 3
US-09-659-786-116
/ Sequence 116, Application US/09659786
/ Patent No. 6491894
/ GENERAL INFORMATION:
/ APPLICANT: Ruoslahti, Erkki
/ TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
/ TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
/ TITLE OF INVENTION: Same
/ FILE REFERENCE: P-LJ 3203
/ CURRENT APPLICATION NUMBER: US/09/659,786
/ CURRENT FILING DATE: 2000-09-11
/ PRIOR APPLICATION NUMBER: 08/926,914
/ PRIOR FILING DATE: 1997-09-10
/ PRIOR APPLICATION NUMBER: 08/710,067
/ PRIOR FILING DATE: 1996-09-10
/ NUMBER OF SEQ ID NOS: 226
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 116
/ LENGTH: 9
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
/ OTHER INFORMATION: Peptide
US-09-659-786-116

Query Match          57.9%; Score 33; DB 4; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 WTVRNSW 7
        ||| |||
Db       1 WTCRASW 7

RESULT 4
US-08-926-914-116
/ Sequence 116, Application US/08926914
/ Patent No. 6576239
/ GENERAL INFORMATION:
```

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/ APPLICANT: Ruoslahti, Erkki
/ APPLICANT: Pasqualini, Renata
/ TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
/ TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same
/ NUMBER OF SEQUENCES: 199
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Campbell & Flores
/ STREET: 4370 La Jolla Village Drive, Suite 700
/ CITY: San Diego
/ STATE: California
/ COUNTRY: United States
/ ZIP: 92122
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/926,914
/ FILING DATE: 10-SEP-1997
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Campbell, Cathryn A.
/ REGISTRATION NUMBER: 31,815
/ REFERENCE/DOCKET NUMBER: P-LJ 2725
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 535-9001
/ TELEFAX: (619) 535-8949
/ INFORMATION FOR SEQ ID NO: 116:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 9 amino acids
/ TYPE: amino acid
/ TOPOLOGY: both
/ MOLECULE TYPE: peptide
US-08-926-914-116

Query Match          57.9%; Score 33; DB 4; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 WTVRNSW 7
        ||| |||
Db       1 WTCRASW 7

RESULT 5
US-08-827-171B-15
/ Sequence 15, Application US/08827171B
/ Patent No. 6254869
/ GENERAL INFORMATION:
/ APPLICANT: CAROLYN PETERSEN
/ APPLICANT: JIN-KING HUANG
/ TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
/ TITLE OF INVENTION: PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
/ TITLE OF INVENTION: TREATMENT, DIAGNOSIS AND
/ TITLE OF INVENTION: DETECTION OF
/ TITLE OF INVENTION: CRYPTOSPORIDIUM PARVUM
/ NUMBER OF SEQUENCES: 16
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: PETERS, VERNY, JONES & BIK A
/ STREET: 385 Sherman Avenue, Suite 6
/ CITY: Palo Alto
/ STATE: California
/ COUNTRY: United States of America
/ ZIP: 94306-1840
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
/ COMPUTER: PC
/ OPERATING SYSTEM: WINDOWS
/ SOFTWARE: Wordperfect 6.0a WINDOWS
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/827,171B
/ FILING DATE:
```



```
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana VERNY
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-827-171B-15

Query Match 52.6%; Score 30; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 6
US-09-588-995A-113
; Sequence 113, Application US/09588995A
; Patent No. 6514697
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: BARNES, DEBRA A.
; APPLICANT: NELSON, RICHARD C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND
; TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-5
; CURRENT APPLICATION NUMBER: US/09/588,995A
; CURRENT FILING DATE: 2000-06-06
; PRIOR FILING DATE: 08/827,171
; PRIOR FILING DATE: 1997-03-27
; PRIOR APPLICATION NUMBER: 08/928,361
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 08/700,651
; PRIOR FILING DATE: 1996-08-14
; PRIOR APPLICATION NUMBER: 08/415,751
; PRIOR FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Cryptosporidium parvum
US-09-588-995A-113

Query Match 52.6%; Score 30; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 7
US-09-598-062-15
; Sequence 15, Application US/09598062
; Patent No. 6759044
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```
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 5.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,062
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana VERNY
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-598-062-15

Query Match 52.6%; Score 30; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 8
US-08-827-171B-14
; Sequence 14, Application US/08827171B
; Patent No. 6254869
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; TITLE OF INVENTION: CRYPTOSPORIDIUM PARVUM
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
```

```
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171B
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Vervy
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptides
; FEATURE:
; NAME/KEY: Xaa at 4 is Val/Ile
; NAME/KEY: Xaa at 5 is Lys/Arg
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
;
US-08-827-171B-14

Query Match 50.9%; Score 29; DB 3; Length 8;
Best Local Similarity 57.1%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7
Db 2 WIXXNSW 8

RESULT 9
US-09-598-062-14
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
;
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,062
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
```

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; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Vervy
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
;
US-09-598-062-14

Query Match 50.9%; Score 29; DB 4; Length 8;
Best Local Similarity 57.1%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7
Db 2 WIXXNSW 8

RESULT 10
US-08-706-741B-79
; Sequence 79, Application US/08706741B
; Patent No. 5955593
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63146
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,741B
; FILING DATE: 09-SEP-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-706-741B-79

Query Match 46.5%; Score 26.5; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 2; Indels 1; Gaps 1;

Qy 1 WT-VRNSWD 8
Db 1 WTRIQSMD 9
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RESULT 11  
US-08-924-695A-79  
; Sequence 79, Application US/08924695A  
; Patent No. 5998583  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, STANLEY J.  
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
; STREET: 7733 FORSYTH BLVD., SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 09-SEP-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HOLLAND, DONALD R.  
; REGISTRATION NUMBER: 35,197  
; REFERENCE/DOCKET NUMBER: 971798  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 79:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-924-695A-79

Query Match 46.5%; Score 26.5; DB 2; Length 9;  
Best Local Similarity 55.6%; Pred. No. 4.1e+05;  
Matches 5; Conservative 1; Mismatches 2; Indels 1; Gaps 1;

QY 1 WT-VRNSWD 8  
|| : |||  
Db 1 WTRIQQSWD 9

RESULT 12  
US-08-733-505A-42  
; Sequence 42, Application US/08733505A  
; Patent No. 5856445  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, STANLEY J.  
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF  
; BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
; STREET: 7733 FORSYTH BLVD., SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/733,505A

; FILING DATE:  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HOLLAND, DONALD R.  
; REGISTRATION NUMBER: 35,197  
; REFERENCE/DOCKET NUMBER: 965458  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-733-505A-42

Query Match 43.0%; Score 24.5; DB 2; Length 9;  
Best Local Similarity 55.6%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8  
| : |||  
Db 1 WKEHNSWD 9

RESULT 13  
US-08-706-741B-77  
; Sequence 77, Application US/08706741B  
; Patent No. 5955593  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, STANLEY J.  
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
; STREET: 7733 FORSYTH BLVD., SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63146  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/706,741B  
; FILING DATE: 09-SEP-1996  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HOLLAND, DONALD R.  
; REGISTRATION NUMBER: 35,197  
; REFERENCE/DOCKET NUMBER: 965017  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-706-741B-77

Query Match 43.0%; Score 24.5; DB 2; Length 9;  
Best Local Similarity 55.6%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8  
| : |||

Db 1 WKEHNRSD 9

## RESULT 14

US-08-924-695A-77  
; Sequence 77, Application US/08924695A  
; Patent No. 5998583  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, STANLEY J.  
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: HOWELL & HAFFERKAMP, L.C.  
; STREET: 7733 FORSYTH BLVD., SUITE 1400  
; CITY: ST. LOUIS  
; STATE: MISSOURI  
; COUNTRY: USA  
; ZIP: 63105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/924,695A  
; FILING DATE: 09-SEP-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: HOLLAND, DONALD R.  
; REGISTRATION NUMBER: 35,197  
; REFERENCE/DOCKET NUMBER: 971798  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (314) 727-5188  
; TELEFAX: (314) 727-6092  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-924-695A-77

Query Match 43.0%; Score 24.5; DB 2; Length 9;  
Best Local Similarity 55.6%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8

Db 1 WKEHNRSD 9

## RESULT 15

US-09-082-279B-1488  
; Sequence 1488, Application US/09082279B  
; Patent No. 6258782  
; GENERAL INFORMATION:  
; APPLICANT: Barney, Shawn  
; APPLICANT: Guthrie, Kelly  
; APPLICANT: Merutka, Gene  
; APPLICANT: Arwer, Mohamed  
; APPLICANT: Lambert, Dennis  
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED  
; FILE REFERENCE: 7872-043  
; CURRENT APPLICATION NUMBER: US/09/082,279B  
; CURRENT FILING DATE: 1998-05-20  
; NUMBER OF SEQ ID NOS: 1515  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1488  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: HIV-2

US-09-082-279B-1488

Query Match 42.1%; Score 24; DB 3; Length 8;  
Best Local Similarity 42.9%; Pred. No. 4.1e+05;  
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSW 7

Db 1 WDVFSNW 7

Search completed: June 20, 2005, 07:45:40  
Job time : 43 secs